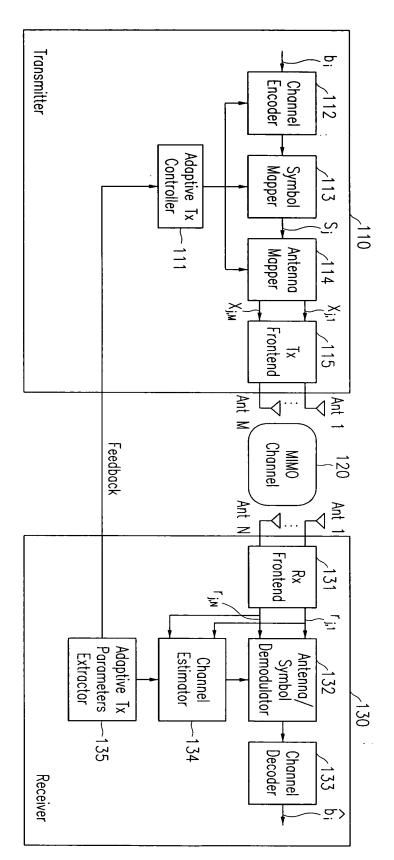
Blakely, Sokoloff, Taylor & Zafman LLP (310) 207-3800 Title: ADAPTIVE TRANSMISSION AND RECEIVING METHOD AND DEVICE IN WIRELESS

COMMUNICATION SYSTEM WITH MULTIPLE ANTENNAS 1st Named Inventor: Yun-Hee KIM Express Mail No.: EV 339910028 US

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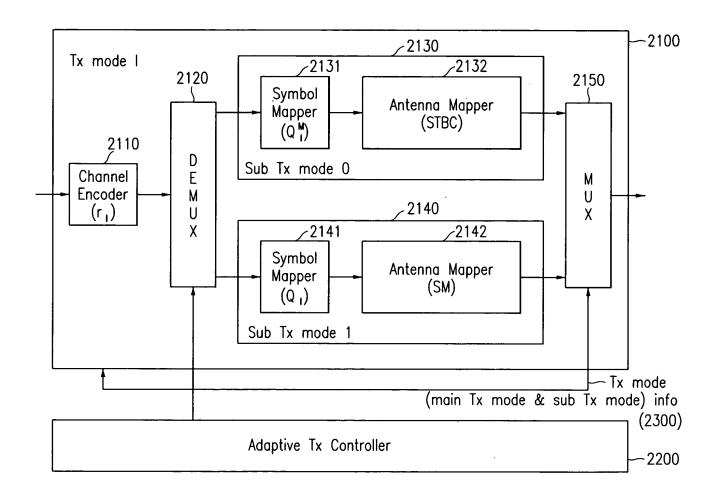
Title: ADAPTIVE TRANSMISSION AND RECEIVING METHOD AND DEVICE IN WIRELESS COMMUNICATION SYSTEM WITH MULTIPLE ANTENNAS

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FIG.2



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FIG.3

3 ₁ 0	320			
Tx r	node	330 {	340 	350 \
Main Tx mode	Sub Tx mode	Code rate	Modulation	Antenna
0	0	1/6	QPSK	STBC
1.	0	1/2	QPSK	STBC
2	0	1/2	16-QAM	STBC
	1	1/2	QPSK	SM
3	Ó	3/4	16-QAM	STBC
	1	3/4	QPSK	SM
4	0	2/3	64-QAM	STBC
	1	2/3	8-PSK	SM
5	1	2/3	16-QAM	SM

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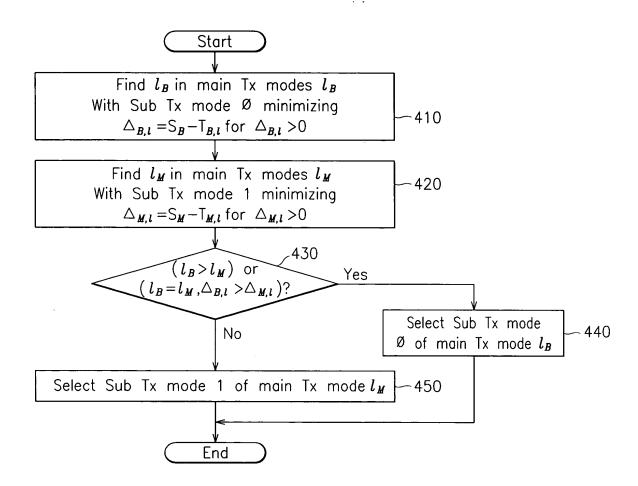
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FIG.4



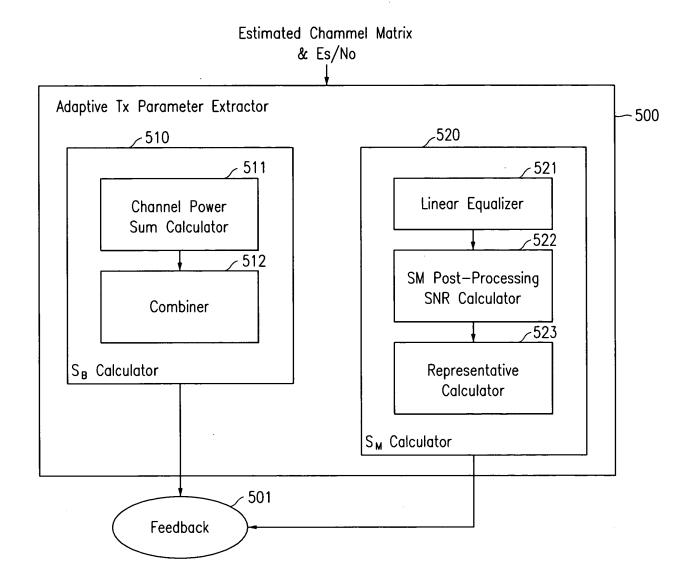
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FIG.5



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FIG.6

